

## Exhibit 1

## DUKE ENERGY PROGRESS, LLC

## Docket No. 2019-XX-E

## Summary of DSM/EE Billing Rates - January 2020 through December 2020

All rates are shown in cents per kWh

## Rates Net of South Carolina Gross Receipts Taxes (GRT) and Regulatory Fee

SC Rate Class	EE Rate (1)	DSM Rate (2)	Total EE/DSM Rate (3)	RECD Adjustment (4)	DSM/EE Billing Rate (5)
Residential	0.367076	0.340267	0.707343	0.005389	0.71273
General Service (EE only)	0.761433		0.761433	0.000000	0.76143
General Service (DSM only)		-0.008179	-0.008179	0.000000	(0.00818)
Lighting	0.000000	0.000000	0.000000	0.000000	-

## Rates Including SC Gross Receipts Taxes at 0.30% and Regulatory Fee at 0.198888%

SC Rate Class	DSM/EE Rate (net of GRT and Regulatory Fee) (6)	Gross Receipts Tax and Regulatory Fee Adjustment (7)	DSM/EE Billing Rate (8)
Residential	0.71273	0.00357	0.716
General Service ( EE only)	0.76143	0.00382	0.765
General Service (DSM only)	-0.008180	0.00004)	-0.008
Lighting	0.00000	0.00000	0

**NOTES:**

- (1) Total EE Rate is derived in Exhibit 2 page 1, column (10).
- (2) Total DSM Rate is derived in Exhibit 2 page 2, column (10).
- (3) Total DSM/EE Rate is sum of columns (1) and (2).
- (4) Adjustment factors derived in Exhibit 2 page 7 applied to column (3).
- (5) DSM and EE Rate is derived from the sum of columns (3) and (4) and rounded to 5 decimal points.
- (6) DSM and EE Billing Rate from column (5).
- (7) Calculated Gross Receipts Tax and Regulatory Fee at the combined rate of 0.49889% on column (6).
- (8) DSM and EE Billing Rate is derived from the sum of columns (6) and (7) and rounded to 3 decimal points.

## DUKE ENERGY PROGRESS, LLC

Docket No. 2019-xx-E

## Energy Efficiency Rate Derivation

SC Rate Class	Adjusted SC Rate Class kWhr Sales <sup>(1)</sup>	Rate Class Energy Allocation Factor <sup>(2)</sup>	EE Revenue Requirements							
			Residential Programs <sup>(3)</sup>	CIG Programs <sup>(4)</sup>	Common Programs	Allocated A&G Costs <sup>(5)</sup>	Allocated Carrying Costs <sup>(5)</sup>	Net Test Period Revenue Requirement <sup>(6)</sup>	Total of Allocated Costs <small>(9) = Σ (3 thru 8)</small>	Total EE Rate (cents/ per kWh) <small>(10) = (9) / (1)</small>
	<small>(1)</small>	<small>(2)</small>	<small>(3)</small>	<small>(4)</small>	<small>(5)</small>	<small>(6)</small>	<small>(7)</small>	<small>(8)</small>	<small>(9)</small>	<small>(10)</small>
Residential	2,314,833,670	59.51%	10,708,481	-	-	473,030	578,035	(3,262,344)	8,497,203	0.367076
General Service	1,479,928,112	38.05%	-	9,521,366	-	304,880	372,559	1,069,858	11,268,663	0.761433
Lighting	94,856,430	2.44%	-	-	-	-	-	-	-	0
SC Retail	3,905,290,041	100.00%	10,708,481	9,521,366	-	777,910	950,594	(2,192,485)	19,765,866	

## NOTES:

(1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Exhibit 6.

(2) Rate Class Energy Allocation Factor is derived in Exhibit 5, page 6.

(3) Lighting Program costs were allocated to both Residential and General Service Customer Classes.

All other Residential programs outlined on Exhibit 2 page 3 are allocated solely to the Residential customer class.

(4) Lighting Program costs were allocated to both Residential and General Service Customer Classes.

All other Non-Residential programs outlined on Exhibit 2 page 3 are allocated solely to the Non-Residential customer class.

(5) A&amp;G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives and lost revenues).

(6) Net Test Period Revenue Requirements are derived on Exhibit 2, page 4.

Please note: Exhibit may not foot due to rounding.

## DUKE ENERGY PROGRESS, LLC

Docket No. SC 2019-xx-E

## Demand Side Management Rate Derivation

SC Rate Class	Adjusted SC Rate Class kWh Sales <sup>(1)</sup>	Rate Class Demand Allocation Factor <sup>(2)</sup>	DSM Revenue Requirement							
			Residential Programs <sup>(3)</sup>	CIG Programs <sup>(4)</sup>	DSDR <sup>(5)</sup>	Non-DSDR Assigned A&G and Carrying Costs <sup>(6)</sup>	DSDR Assigned A&G and Carrying Costs <sup>(5)</sup>	Net Test Period Revenue Requirement <sup>(7)</sup>	Total of Allocated Costs	Total DSM Rate
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = Σ (3 thru 8)	(10) = (9) / (1)
Residential	2,314,833,670	67.86%	4,230,077	-	2,939,831	428,965	87,501	190,243	7,876,616	0.340267
General Service	1,471,997,769	32.14%	-	861,854	1,392,103	120,537	41,434	(2,536,330)	(120,401)	(0.008179)
Lighting	94,861,854	0.00%	-	-	-	-	-	-	-	-
SC Retail	3,881,693,293	100.00%	4,230,077	861,854	4,331,933	549,502	128,935	(2,346,087)	7,756,215	

## NOTES:

(1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Exhibit 6.

(2) Rate Class Demand Allocation Factor is derived in Exhibit 5 page 7.

(3) EnergyWise costs are directly assigned solely to Residential Rate Class.

(4) CIG DR and EnergyWise for Business Program costs are directly assigned solely to General Service Class.

(5) DSDR Costs and assigned A&amp;G and carrying costs are allocated using Rate Class Demand Allocation Factor from column (2).

(6) Non-DSDR A&amp;G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives and lost revenues) assigned in columns (3) and (4).

(7) Net Test Period Revenue Requirements are derived on Exhibit 2 page 4.

Please note: Exhibit may not foot due to rounding.

**DUKE ENERGY PROGRESS, LLC**  
**Docket Number 2019-XX-E**  
**Rate Period Revenue Requirement Summary - SC**  
**January 2020 - December 2020**

		SOUTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY																		
		Operating Expenses										Other Expenses								
		Operating Expenses			Amortization of			Current Period				Income Taxes on				Other Expenses				
		O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Capitalized O&M	Amortization of Capitalized A&G	Current Period Amortization	Prior Period Amortization	DSDR Capital Costs	DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue	PPI	Total Revenue Requirement	
		(1)	(2)	(3)	(4)	(5)	(6)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
		ΣCols(1)thru(3)			((1)+(2))/10			(3)/10			ΣCols(5)thru(12)								ΣCols(13)thru(15)	
SC DSM Program Expenses																				
1 CIG DR	Per Forecast	385,635	-	-	385,635	128,545	-	128,545	292,704					-	-	421,249		148,712	569,961	
2 EnergyWise	Per Forecast	2,252,565	-	-	2,252,565	750,855	-	750,855	1,932,655					-	-	2,683,510		1,546,567	4,230,077	
3 EnergyWise for Business	Per Forecast	412,524	-	-	412,524	137,508	-	137,508	195,296					-	-	332,804	1,150	(42,062)	291,893	
4 Total DSM	Σ Lines 1 thru 3	\$ 3,050,724	\$ -	\$ -	\$ 3,050,724	\$ 1,016,908	\$ -	\$ 1,016,908	\$ 2,420,655	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,437,563	\$ 1,150	\$ 1,653,218	\$ 5,091,932	
5 DSM A&G and Carrying Costs	Per Forecast	-		226,642	226,642	-	75,547	75,547	141,306					273,281	59,368	549,502			549,502	
6 Total DSM and Assigned Cost	Σ Lines 4 thru 5	\$ 3,050,724		\$ 226,642	\$ 3,277,366	\$ 1,016,908	\$ 75,547	\$ 1,092,455	\$ 2,561,961	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 273,281	\$ 59,368	\$ 3,987,065	\$ 1,150	\$ 1,653,218	\$ 5,641,434
SC EE Program Expenses																				
7 Res Home Advantage	Per Forecast	-	-	-	-	-	-	-	38,035							38,035	-	22,080	60,115	
8 Residential Smart Saver	Per Forecast	474,819	-	-	474,819	158,273	-	158,273	910,512							1,068,785	115,789	56,037	1,240,611	
9 Neighborhood Energy Saver	Per Forecast	272,689	-	-	272,689	90,896	-	90,896	311,836							402,732	138,216	-	540,949	
10 My Home Energy Report	Per Forecast	916,876	-	-	916,876	916,876	-	916,876	-							916,876	1,049,900	(10,186)	1,956,590	
11 Solar Hot Water Pilot	Per Forecast	-	-	-	-	-	-	-	2,304							2,304	-	-	2,304	
12 Lighting - Residential	Per Forecast	609,469	-	-	609,469	203,156	-	203,156	1,020,331							1,223,487	622,872	622,356	2,468,715	
13 Res Appliance Recycling/Appliances & Dev	Per Forecast	-	-	-	-	-	-	-	91,788							91,788	68,499	91,872	252,159	
14 Residential New Construction	Per Forecast	1,741,467	-	-	1,741,467	580,489	-	580,489	1,418,178							1,998,667	1,645	281,143	2,281,456	
15 Multi Family Energy Efficiency	Per Forecast	391,377	-	-	391,377	130,459	-	130,459	251,765							382,224	96,034	-	478,258	
16 Energy Education Program for Schools	Per Forecast	130,010	-	-	130,010	43,337	-	43,337	69,272							112,609	111,777	168,341	392,726	
17 Save Energy & Water Kit	Per Forecast	131,888	-	-	131,888	43,963	-	43,963	107,194							151,157	297,740	202,757	651,654	
18 Residential Assessments	Per Forecast	258,822	-	-	258,822	86,274	-	86,274	136,544							222,818	141,888	27,383	392,089	
19 Home Depot - CFL	Per Forecast	-	-	-	-	-	-	-	-							-	-	-	-	
20 Found Revenue	Per Forecast	-			-			-	-							-	(9,145)		(9,145)	
Subtotal Residential EE Programs		\$ 4,927,417	\$ -	\$ -	\$ 4,927,417	\$ 2,253,723	\$ -	\$ 2,253,723	\$ 4,357,759	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,611,482	\$ 2,635,216	\$ 1,461,783	\$ 10,708,481	
Subtotal Non-Residential EE Programs																				
21 CIG Energy Efficiency	Per Forecast	-	-	-	-	-	-	-	543,607							543,607			543,607	
22 Lighting - General Service	Per Forecast	73,869	-	-	73,869	24,623	-	24,623	123,687							148,310	157,029	220,255	525,593	
23 Small Business Energy Saver	Per Forecast	1,102,292	-	-	1,102,292	367,431	-	367,431	1,163,161							1,530,592	885,121	454,926	2,870,638	
24 Non-Res Custom Incentive	Per Forecast	705,274			705,274	235,091		235,091	208,868							443,959	48,778	106,312	599,050	
25 Non- Res Prescriptive Lighting	Per Forecast	1,486,415			1,486,415	495,472		495,472	1,099,944							1,595,416	662,000	876,550	3,133,966	
26 Non- Res Performance Incentive	Per Forecast				-			-	-							-	164,060	27,474	191,535	
26 Energy Efficiency for Business	Per Forecast	-	-	-	-	-	-	-	-							-	1,700,007		1,700,007	
27 Business Energy Report	Per Forecast	-	-	-	-	-	-	-	(616)							(616)	-		(616)	
28 Found Revenue					-			-	-							-	(42,413)		(42,413)	
Subtotal Non-Residential EE Programs		\$ 3,367,850	\$ -	\$ -	\$ 3,367,850	\$ 1,122,617	\$ -	\$ 1,122,617	\$ 3,138,651	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,261,268	\$ 3,574,581	\$ 1,685,517	\$ 9,521,366	
29 Total EE	Σ Lines 7 thru 27	\$ 8,295,267	\$ -	\$ -	\$ 8,295,267	\$ 3,376,340	\$ -	\$ 3,376,340	\$ 7,496,410	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,872,750	\$ 6,209,797	\$ 3,147,300	\$ 20,229,847	
30 EE A&G and Carrying Costs	Per Books	-	-	687,196	687,196	-	229,065	229,065	548,845					780,941	169,653	1,728,504	-		1,728,504	
31 Total EE and Assigned Cost	Σ Lines 29 thru 30	\$ 8,295,267	\$ -	\$ 687,196	\$ 8,982,463	\$ 3,376,340	\$ 229,065	\$ 3,605,405	\$ 8,045,255	\$ -	\$ -	\$ -	\$ -	\$ 780,941	\$ 169,653	\$ 12,601,254	\$ 6,209,797	\$ 3,147,300	\$ 21,958,352	
SC DSDR Program Expenses																				
32 DSDR Program	Per Forecast	\$ 572,032	\$ 100,485	\$ -	\$ 672,517	\$ 224,172	\$ -	\$ 224,172	974,790	\$ 920,194	\$ 199,627	\$ 406,114	\$ 1,607,036			4,331,933	\$ -	\$ -	\$ 4,331,933	
33 DSDR A&G and Carrying Costs	Per Forecast	-	-	-	-	-	-	-	88					105,496	23,351	128,935	-	-	128,935	
34 Total DSDR and Assigned Cost	Σ Lines 32 thru 33	572,032	100,485	-	672,517	224,172	-	224,172	974,878	920,194	199,627	406,114	1,607,036	105,496	23,351	4,460,868	-	-	4,460,868	
35 Rate Period Totals																				
Lines 6 + 31 + 34		\$ 11,918,023	\$ 100,485	\$ 913,838	\$ 12,932,346	\$ 4,617,420	\$ 304,612	\$ 4,922,032	\$ 11,582,094	\$ 920,194	\$ 199,627	\$ 406,114	\$ 1,607,036	\$ 1,159,718	\$ 252,372	\$ 21,049,187	\$ 6,210,948	\$ 4,800,519	\$ 32,060,654	

<sup>1</sup> Residential EE Benchmarking Program costs are recovered during the current period. All other program costs are recovered over a 3 year period.  
Please note: Exhibit may not foot due to rounding.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. 2019-XX-E**  
**Determination of Net Revenue Requirement for Test Period**

		Residential	General Service	Lighting	Total
1 Prior Period Recovery Balance at December 31, 2017					
2 Energy Efficiency Programs	<i>Doc No. 2018-255-E Exh 2</i>	1,046,947	(1,699,789)	-	(652,842)
3 Demand Side Management Programs	<i>Doc No. 2018-255-E Exh 2</i>	1,197,254	(900,871)	-	296,383
4 DSDR Program Expenses	<i>Doc No. 2018-255-E Exh 2</i>	(90,364)	(1,311,207)	-	(1,401,571)
5 Balance - Prior (Over) or Under Collection	<i>Lines 2 + 3 + 4</i>	2,153,837	(3,911,867)	-	(1,758,030)
6					
7 Current Period Cost of Service (1-18 to 12-18)					
8 Energy Efficiency Programs	<i>Exhibit 2 (Page 6 of 7)</i>	8,372,895	4,882,558	-	13,255,453
9 E E A&G and Carrying Cost Allocation	<i>Exhibit 2 (Page 6 of 7)</i>	1,350,587	787,579	-	2,138,167
10 E E PPI and Net Lost Revenues	<i>Exhibit 2 (Page 6 of 7)</i>	4,552,891	5,441,256	-	9,994,147
11 Total Energy Efficiency Cost of Service	<i>Lines 8 + 9 + 10</i>	14,276,374	11,111,393	-	25,387,766
12					
13 Demand Side Management Programs	<i>Exhibit 2 (Page 6 of 7)</i>	2,710,904	532,512	-	3,243,416
14 DSM A&G and Carrying Cost Allocation	<i>Exhibit 2 (Page 6 of 7)</i>	547,235	107,495	-	654,730
15 DSM PPI and Net Lost Revenues	<i>Exhibit 2 (Page 6 of 7)</i>	1,644,825	27,704	-	1,672,528
16 Total DSM Cost of Service	<i>Lines 13 + 14 + 15</i>	4,902,963	667,711	-	5,570,674
17					
18 DSDR Program	<i>Exhibit 2 (Page 6 of 7)</i>	3,160,323	1,496,513	-	4,656,836
19 DSDR A&G and Carrying Cost Allocation	<i>Exhibit 2 (Page 6 of 7)</i>	154,423	73,124	-	227,547
20 DSDR Net Lost Revenues	<i>Exhibit 2 (Page 6 of 7)</i>	132	63	-	195
21 Total DSDR Cost of Service	<i>Lines 18 + 19 + 20</i>	3,314,878	1,569,700	-	4,884,578
22					
23 Cost of Service for 12 ME 12-31-18	<i>Line 11 + Line 16 + Line 21</i>	22,494,215	13,348,804	-	35,843,019
24					
25 Cost of Service & Prior Bal at December 31, 2018					
26 Energy Efficiency Programs	<i>Line 2 + Line 11</i>	15,323,321	9,411,604	-	24,734,924
27 Demand Side Management Programs	<i>Line 3 + Line 16</i>	6,100,217	(233,160)	-	5,867,057
28 DSDR Program	<i>Line 4 + Line 21</i>	3,224,514	258,493	-	3,483,007
29 Total Net COS Before Revenue Offsets	<i>Lines 26 + 27 + 28</i>	24,648,052	9,436,937	-	34,084,989
30					
31 Actual & Trued Up Revenue (1-18 to 12-18)					
32 EE Revenue	<i>Exhibit 4</i>	18,455,706	8,958,584	-	27,414,291
33 DSM Revenue	<i>Exhibit 4</i>	5,250,855	721,548	-	5,972,403
34 DSDR Revenue	<i>Exhibit 4</i>	3,902,721	1,424,904	-	5,327,625
35 Est Total Test Period Revenue (1-18 to 12-18)	<i>Lines 32 + 33 + 34</i>	27,609,282	11,105,037	-	38,714,319
36					
37 Adjustments					
38 Energy Efficiency	<i>Exhibit 2 (page 5 of 7)</i>	(129,958)	616,839		486,881
39 Demand Side Management	<i>Exhibit 2 (page 5 of 7)</i>	150,191	(186,066)		(35,875)
40 DSDR	<i>Exhibit 2 (page 5 of 7)</i>	(131,104)	(229,144)		(360,248)
41 Total Adjustments	<i>Lines + 38 + 39 + 40</i>	(110,871)	201,628	-	90,758
42					
43 Revenue Requirement at December 31, 2018					
44 EE Portion of Revenue Requirement	<i>Lines 26 - 32 + 38</i>	(3,262,344)	1,069,858	-	(2,192,485)
45 DSM Portion of Revenue Requirement	<i>Lines 27 - 33 + 39</i>	999,553	(1,140,775)	-	(141,221)
46 DSDR Portion of Revenue Requirement	<i>Lines 28 - 34 + 40</i>	(809,311)	(1,395,555)	-	(2,204,865)
47 Total Net Test Period Revenue Requirement	<i>Lines + 44 + 45 + 46</i>	(3,072,101)	(1,466,472)	-	(4,538,572)
48 Forecasted Rate Period Revenue Requirement	<i>Exhibit 2 (Page 3 of 7)</i>				32,060,654
49 Referenced Rate Period Recovery Level	<i>Lines 47 + 48</i>				27,522,081

Please note: Exhibit may not foot due to rounding.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. 2019 - XX- E**  
**Test Period Revenue Requirement Adjustments**

A. Recognition of 2018 Test Period Uncollectible - Adjustments		Res	Gen Svc	Total
EE Component	Workpapers	84,165	(25,138)	59,027
DSM Component	Workpapers	23,946	(2,025)	21,921
DSDR Component	Workpapers	17,798	(3,998)	13,800
Total	Totals from Above	125,908	(31,161)	94,747
B. Recognition of 2018 Test Period Uncollectibles In Rates		Res	Gen Svc	Total
EE Component	Workpapers	-	-	-
DSM Component	Workpapers	-	-	-
DSDR Component	Workpapers	-	-	-
Total	Totals from Above	-	-	-
D. Recognition of Revenues to be Received in 2020 as part of Net Metering Rider		Res	Gen Svc	Total
EE Component	Workpapers	(73,593)	-	(73,593)
DSM Component	Workpapers	(29,071)	-	(29,071)
DSDR Component	Workpapers	(20,204)	-	(20,204)
Total	Totals from Above	(122,868)	-	(122,868)
E. Recognition on Interest on 2018 Test Period Net Undercollections		Res	Gen Svc	Total
EE Component	Exhibit 3	(518,783)	172,601	(346,182)
DSM Component	Exhibit 3	158,951	(184,042)	(25,091)
DSDR Component	Exhibit 3	(128,698)	(225,146)	(353,843)
Total	Totals from Above	(488,530)	(236,587)	(725,117)
F. Summary Total of Adjustments		Res	Gen Svc	Total
EE Component	Σ Sections A through D	(508,212)	147,463	(360,749)
DSM Component	Σ Sections A through D	153,825	(186,066)	(32,241)
DSDR Component	Σ Sections A through D	(131,104)	(229,144)	(360,248)
Total	Totals from Above	(485,490)	(267,747)	(753,237)

## G Recognition of EM&amp;V True-Ups

			Res	Gen Svc	Total
Vintage 2016 PPI True Up (Overcollection)					
EE	Component	Exhibit 7 page 1	(5,470)	-	(5,470)
Vintage 2016 PPI True Up					
DSM	Component	Exhibit 7 page 1	-	-	-
Vintage 2017 PPI True Up (Overcollection)					
EE	Component	Exhibit 7 page 3	(7,039)	(30,469)	(37,507)
Vintage 2017 PPI True Up (Overcollection)					
DSM	Component	Exhibit 7 page 3	(3,634)	-	(3,634)
Vintage 2016 Lost Revenue True Up					
EE	Component	Exhibit 8 page 6	105,130	137,914	243,044
DSDR	Component	Exhibit 8 page 6	-	-	-
Vintage 2017 Lost Revenue True Up					
EE	Component	Exhibit 8 page 6	285,633	361,930	647,563
DSDR	Component	Exhibit 8 page 6	-	-	-

## H Summary Total of EM&amp;V Related Adjustments

EE Component	Σ Section F Above	\$ 378,254	\$ 469,376	\$ 847,630
DSM Component	Σ Section F Above	(3,634)	-	(3,634)
DSDR Component	Σ Section F Above	-	-	-
Total	Totals from Above	\$ 374,620	\$ 469,376	\$ 843,995

## I Net Revenue Requirement Adjustments

		Res	Gen Svc	Total
EE Component	Σ Sections E and G	\$ (129,958)	\$ 616,839	\$ 486,881
DSM Component	Σ Sections E and G	150,191	(186,066)	(35,875)
DSDR Component	Σ Sections E and G	(131,104)	(229,144)	(360,248)
Total	Totals from Above	\$ (110,871)	\$ 201,628	\$ 90,758

**DUKE ENERGY PROGRESS, LLC**  
**Docket Number 2019-XX-E**  
**EMF Period Revenue Requirement Summary - SC**  
**January 2018 - December 2018**

		SOUTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY																					
		O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Current Period Amortization	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue	PPI	Total Revenue Requirement				
		(1)	(2)	(3)	(4)	(5)	(6)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)				
					ΣCols(1)thru(3)	((1)+(2))/3	(3)/3													ΣCols(5)thru(12)			
SC DSM Program Expenses																							
1 CIG DR	Per Books	217,807		-	217,807	72,602	-	72,602	259,329							331,931		53,387	385,318				
2 EnergyWise	Per Books	1,881,594		-	1,881,594	627,198	-	627,198	2,083,706							2,710,904		1,644,825	4,355,729				
3 EnergyWise for Business	Per Books	269,798		-	269,798	89,933	-	89,933	110,648							200,581	1,777	(27,460)	174,898				
4 Total DSM	Σ Lines 1 thru 3	2,369,199	-		2,369,199	789,733	-	789,733	2,453,683	-	-	-	-	-	-	3,243,416	1,777	1,670,751	4,915,944				
5 DSM A&G and Carrying Costs	Per Books	-	-	117,815	117,815	-	39,272	39,272	165,305				366,480	83,673		654,730			654,730				
6 Total DSM and Assigned Cost	Σ Lines 4 thru 5	2,369,199	-	117,815	2,487,014	789,733	39,272	829,005	2,618,988	-	-	-	-	366,480	83,673	3,898,146	1,777	1,670,751	5,570,674				
SC EE Program Expenses																							
7 Res Home Advantage	Per Books	-	-	-	-	-	-	-	65,027							65,027	-	28,759	93,786				
8 Res Smart Saver	Per Books	989,137	-		989,137	329,712		329,712	1,153,553							1,483,265	48,351	81,595	1,613,211				
9 Neighborhood Energy Saver	Per Books	253,237	-	-	253,237	84,412		84,412	345,614							430,026	100,845	-	530,872				
10 Solar Hot Water Pilot	Per Books	-	-	-	-	-	-	-	6,680							6,680		-	6,680				
11 Energy Efficient Lighting - Residential	Per Books allocated	1,201,127	-	-	1,201,127	400,376	-	400,376	2,146,129							2,546,505	843,203	960,612	4,350,320				
12 Appliance Recycling Program	Per Books	-	-	-	-	-	-	-	102,253							102,253	349	20,210	122,812				
13 Res EE Benchmarking/My HER <sup>1</sup>	Per Books	1,054,777	-	-	1,054,777	1,054,777	-	1,054,777	-							1,054,777	805,821	28,469	1,889,067				
14 Home Depot CFL	Per Books	-	-	-	-	-	-	-	535							535		10,473	11,008				
15 Residential New Construction	Per Books	1,809,641	-	-	1,809,641	603,214	-	603,214	1,209,044							1,812,258	563	275,707	2,088,527				
16 Energy Education Program for Schools	Per Books	92,866	-	-	92,866	30,955	-	30,955	97,312							128,267	61,610	-	189,878				
17 Save Energy & Water Kits	Per Books	113,227			113,227	37,742		37,742	30,991							68,733	353,983	295,850	718,566				
18 Residential Energy Assessments	Per Books	254,113			254,113	84,704		84,704	65,146							149,850	158,064	87,309	395,222				
19 Multi-Family EE Programs	Per Books	330,628	-	-	330,628	110,209	-	110,209	287,442							397,651	187,966	205,340	790,957				
20 Found revenues	Per Books																(2,186)		(2,186)				
Subtotal Residential EE Programs		6,098,753	-	-	6,098,753	2,736,102	-	2,736,102	5,636,793	-	-	-	-	-	-	8,372,895	2,558,569	1,994,322	12,925,786				
SC Non-Residential EE Program Expenses																							
21 Lighting - General Service	Per Books allocated	145,547	-	-	145,547	48,516	-	48,516	260,526							309,042	245,430	326,627	881,099				
22 CIG Energy Efficiency/ EE for Business	Per Books	1,900,370	-	-	1,900,370	633,457	-	633,457	2,356,698							2,990,155	1,655,642	1,819,689	6,465,485				
23 Small Business Energy Saver	Per Books	1,215,340	-	-	1,215,340	405,113	-	405,113	1,173,167							1,578,280	862,845	545,800	2,986,926				
24 Business Energy Report	Per Books	(2,352)	-	-	(2,352)	(784)	-	(784)	5,865							5,081	-	-	5,081				
25 Non-Res Smart Saver Performance	Per Books																1,056	7,293	8,349				
26 Found Revenues	Per Books																(23,126)		(23,126)				
Subtotal Non-Residential EE Programs		3,258,905	-	-	3,258,905	1,086,302	-	1,086,302	3,796,256	-	-	-	-	-	-	4,882,558	2,741,847	2,699,409	10,323,813				
27 Total EE	Σ Lines 7 thru 23	9,357,658	-	-	9,357,658	3,822,404	-	3,822,404	9,433,049	-	-	-	-	-	-	13,255,453	5,300,416	4,693,731	23,249,600				
28 EE A&G and Carrying Costs	Per Books	-	-	476,711	476,711	-	158,904	158,904	549,690				1,163,849	265,724		2,138,167			2,138,167				
29 Total EE and Assigned Cost	Σ Lines 24 thru 25	9,357,658	-	476,711	9,834,369	3,822,404	158,904	3,981,308	9,982,739	-	-	-	-	1,163,849	265,724	15,393,620	5,300,416	4,693,731	25,387,766				
SC DSDR Program Expenses																							
30 DSDR Program	Per Books	581,459	105,494	-	686,953	228,984		228,984	1,151,247	1,018,621	231,851	384,542	1,641,591			4,656,836	195		4,657,031				
31 DSDR A&G and Carrying Costs	Per Books	-	-	-	-	-		-	17,902					170,677	38,968	227,547			227,547				
32 Total DSDR and Assigned Cost	Σ Lines 27 thru 28	581,459	105,494	-	686,953	228,984	-	228,984	1,169,149	1,018,621	231,851	384,542	1,641,591	170,677	38,968	4,884,383	195	-	4,884,578				
SC Test Period Totals																							
Lines 6 + 26 + 29		12,308,316	105,494	594,526	13,008,336	4,841,121	198,175	5,039,297	13,770,876	1,018,621	231,851	384,542	1,641,591	1,701,006	388,365	24,176,149	5,302,388	6,364,482	35,843,019				
						4,841,119																	

<sup>1</sup> Residential EE Benchmarking Program costs are recovered during the current period. All other program costs are recovered over a 3 year period.  
Please note: Exhibit may not foot due to rounding.



# DUKE ENERGY PROGRESS, LLC

Docket No. 2019 - XX - E

EE/DSM Billing Rate - January 1, 2020 through December 31, 2020

## Revenue Adjustment Factors

### Residential Adjustment Factor

1 Billed kWh (12ME 12/31/18)	Per Books	2,207,570,445
2 Billed RECD kWh (12ME 12/31/18)	Per Books	333,840,895 (a)
3 RECD kWh Percent of Total Billed	Line 2 / Line 1	15.123%
4 RECD Discount Percentage	RECD Discount	5.00% (b)
5 RECD Impact (Weighted Discount)	Line 3 x Line 4	0.7561% (d)
6 Uncollectable Estimate for Forecast Period	N/A for 2020	(c)
7 Residential Adjustment Factor for Rate Period	Line 5 + Line 6	0.7561% (d)

### General Service Adjustment Factor

8 Uncollectable Estimate for Forecast Period	N/A for 2020	(c)
9 General Service Adjustment Factor for Rate Period	Line 8	- (d)

### Notes:

- (a) Energy billed and discounted pursuant to Residential Energy Conservation Discount, Rider RECD-2B.
- (b) Five-percent discount provided under Residential Energy Conservation Discount, Rider RECD-2B.
- (c) DEP is not requesting an uncollectible adjustment for the prospective period as new rates went into effect 6/1/2019.
- (d) Estimated impacts of uncollectable and RECD related discounts will be trued up as necessary in future filings.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. 2019-XX-E**  
**Calculation of Interest on Over and Undercollections**

**A. Residential**

					<u>Change in Rev Rqmt</u>	
1	Residential Undercollection	<i>(Exh2 pg 4 Line 47 - Interest Adj Exh 2 pg 5)</i>		2,583,570.32		
2						
3	Monthly 9.5% Rate (per SC Supreme Court)	<i>Int Rate / 12</i>		0.792%		
4						
5		Res Sales (kWh)	Percent Tot	Balance	Avg Balance	Interest
6	Jul-18			2,583,570.32	2,583,570.32	20,453.27
7	Aug-18			2,583,570.32	2,583,570.32	20,453.27
8	Sep-18			2,583,570.32	2,583,570.32	20,453.27
9	Oct-18			2,583,570.32	2,583,570.32	20,453.27
10	Nov-18			2,583,570.32	2,583,570.32	20,453.27
11	Dec-18			2,583,570.32	2,583,570.32	20,453.27
12	Jan-19			2,583,570.32	2,583,570.32	20,453.27
13	Feb-19			2,583,570.32	2,583,570.32	20,453.27
14	Mar-19			2,583,570.32	2,583,570.32	20,453.27
15	Apr-19			2,583,570.32	2,583,570.32	20,453.27
16	May-19			2,583,570.32	2,583,570.32	20,453.27
17	Jun-19			2,583,570.32	2,583,570.32	20,453.27
18	Jul-19			2,583,570.32	2,583,570.32	20,453.27
19	Aug-19			2,583,570.32	2,583,570.32	20,453.27
20	Sep-19			2,583,570.32	2,583,570.32	20,453.27
21	Oct-19			2,583,570.32	2,583,570.32	20,453.27
22	Nov-19			2,583,570.32	2,583,570.32	20,453.27
23	Dec-19			2,583,570.32	2,583,570.32	20,453.27
24	Jan-20	249,993,495	10.80%	2,304,554.26	2,444,062.29	19,348.83
25	Feb-20	221,206,370	9.56%	2,057,667.32	2,181,110.79	17,267.13
26	Mar-20	176,781,715	7.64%	1,860,362.43	1,959,014.87	15,508.87
27	Apr-20	140,419,451	6.07%	1,703,641.22	1,782,001.83	14,107.51
28	May-20	153,956,152	6.65%	1,531,811.80	1,617,726.51	12,807.00
29	Jun-20	205,508,599	8.88%	1,302,445.03	1,417,128.41	11,218.93
30	Jul-20	233,967,485	10.11%	1,041,315.49	1,171,880.26	9,277.39
31	Aug-20	219,808,139	9.50%	795,989.10	918,652.29	7,272.66
32	Sep-20	170,864,812	7.38%	605,288.03	700,638.56	5,546.72
33	Oct-20	137,554,628	5.94%	451,764.23	528,526.13	4,184.17
34	Nov-20	173,420,071	7.49%	258,211.25	354,987.74	2,810.32
35	Dec-20	231,352,753	9.99%	-	129,105.63	1,022.09
36	Total	2,314,833,670	100.00%		488,530.38	\$ (488,530.38)

*(Sum of Lines 6 thru 35)*

B. General Service

Change in Rev Rqmt

1	General Service Overcollection			( Exh 2 Pg 4 Line 47 - Interest Adj. Exh 2 pg 5)	1,229,884.89	
2						
3	Monthly 9.5% Rate (per SC Supreme Court)			Int Rate / 12	0.792%	
4						
5		Gen Svc (kWh)	Percent Tot		Balance	Avg Balance Interest
6	Jul-18			Static Principal	1,229,884.89	1,229,884.89 9,736.59
7	Aug-18				1,229,884.89	1,229,884.89 9,736.59
8	Sep-18				1,229,884.89	1,229,884.89 9,736.59
9	Oct-18				1,229,884.89	1,229,884.89 9,736.59
10	Nov-18				1,229,884.89	1,229,884.89 9,736.59
11	Dec-18				1,229,884.89	1,229,884.89 9,736.59
12	Jan-19				1,229,884.89	1,229,884.89 9,736.59
13	Feb-19				1,229,884.89	1,229,884.89 9,736.59
14	Mar-19				1,229,884.89	1,229,884.89 9,736.59
15	Apr-19				1,229,884.89	1,229,884.89 9,736.59
16	May-19				1,229,884.89	1,229,884.89 9,736.59
17	Jun-19				1,229,884.89	1,229,884.89 9,736.59
18	Jul-19			1,229,884.89	1,229,884.89 9,736.59	
19	Aug-19			1,229,884.89	1,229,884.89 9,736.59	
20	Sep-19			1,229,884.89	1,229,884.89 9,736.59	
21	Oct-19			1,229,884.89	1,229,884.89 9,736.59	
22	Nov-19			1,229,884.89	1,229,884.89 9,736.59	
23	Dec-19			1,229,884.89	1,229,884.89 9,736.59	
24	Jan-20	58,979,561	3.99%	Declining Principal (returned via rates)	1,180,870.30	1,205,377.60 9,542.57
25	Feb-20	117,145,490	7.92%		1,083,517.28	1,132,193.79 8,963.20
26	Mar-20	173,029,182	11.69%		939,722.48	1,011,619.88 8,008.66
27	Apr-20	63,715,615	4.31%		886,772.02	913,247.25 7,229.87
28	May-20	135,818,648	9.18%		773,900.79	830,336.40 6,573.50
29	Jun-20	160,800,600	10.87%		640,268.47	707,084.63 5,597.75
30	Jul-20	104,918,437	7.09%		553,076.67	596,672.57 4,723.66
31	Aug-20	137,437,978	9.29%		438,859.70	495,968.19 3,926.41
32	Sep-20	192,484,210	13.01%		278,896.92	358,878.31 2,841.12
33	Oct-20	75,246,269	5.08%		216,363.98	247,630.45 1,960.41
34	Nov-20	92,484,233	6.25%		139,505.55	177,934.77 1,408.65
35	Dec-20	167,867,890	11.34%		-	69,752.77 552.21
36	Total	1,479,928,113	100.00%		236,586.61	\$ (236,586.61)
	(Sum of Lines 6 thru 35)					

(Sum of Lines 6 thru 35)

C. Interest Allocation Factors

Residential	Pre-Interest	Under (Over)	Total Interest	Allocated Interest	Revenue Reqmt Impact
	Under (Over)	Allocation			
	(2,743,560.50)	106.19%			
	840,602.87	-32.54%			
	(680,612.70)	26.34%			
4 Totals	(2,583,570.32)	100.00%	NA	(488,530.38)	Increase
General Service	Pre-Interest	Under (Over)	Total Interest	Allocated Interest	Revenue Reqmt Impact
	Under (Over)	Allocation			
	897,257.45	-72.95%			
	(956,733.10)	77.79%			
	(1,170,409.24)	95.16%			
8 Totals	(1,229,884.89)	100.00%	NA	(236,586.61)	Decrease

D. Residential Interest Allocations

				Residential Interest Breakdown				
		Allocation	AVG Balance		EE	DSM	DSDR	Total
1	Jul-18	Overcollection	2,583,570.32	Static Principal	21,719.85	(6,654.77)	5,388.18	20,453.27
2	Aug-18	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
3	Sep-18	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
4	Oct-18	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
5	Nov-18	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
6	Dec-18	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
7	Jan-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
8	Feb-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
9	Mar-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
10	Apr-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
11	May-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
12	Jun-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
13	Jul-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
14	Aug-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
15	Sep-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
16	Oct-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
17	Nov-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
18	Dec-19	Overcollection	2,583,570.32		21,719.85	(6,654.77)	5,388.18	20,453.27
19	Jan-20	Overcollection	2,444,062.29	Declining Principal (returned via rates)	20,547.02	(6,295.43)	5,097.23	19,348.83
20	Feb-20	Overcollection	2,181,110.79		18,336.41	(5,618.12)	4,548.83	17,267.13
21	Mar-20	Overcollection	1,959,014.87		16,469.27	(5,046.04)	4,085.64	15,508.87
22	Apr-20	Overcollection	1,782,001.83		14,981.14	(4,590.09)	3,716.47	14,107.51
23	May-20	Overcollection	1,617,726.51		13,600.09	(4,166.95)	3,373.86	12,807.00
24	Jun-20	Overcollection	1,417,128.41		11,913.68	(3,650.25)	2,955.50	11,218.93
25	Jul-20	Overcollection	1,171,880.26		9,851.90	(3,018.53)	2,444.02	9,277.39
26	Aug-20	Overcollection	918,652.29		7,723.03	(2,366.27)	1,915.90	7,272.66
27	Sep-20	Overcollection	700,638.56		5,890.21	(1,804.71)	1,461.22	5,546.72
28	Oct-20	Overcollection	528,526.13		4,443.27	(1,361.38)	1,102.27	4,184.17
29	Nov-20	Overcollection	354,987.74		2,984.35	(914.38)	740.35	2,810.32
30	Dec-20	Overcollection	129,105.63		1,085.38	(332.55)	269.26	1,022.09
31 Totals		(Σ Lines 1 thru 30)			518,783.12	(158,950.60)	128,697.86	488,530.38

E. General Service Interest Allocations

				General Service Interest Breakdown				
		Allocation	AVG Balance		EE	DSM	DSDR	Total
1	Jul-18	Overcollection	1,229,884.89	Static Principal	(7,103.29)	7,574.14	9,265.74	9,736.59
2	Aug-18	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
3	Sep-18	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
4	Oct-18	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
5	Nov-18	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
6	Dec-18	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
7	Jan-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
8	Feb-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
9	Mar-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
10	Apr-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
11	May-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
12	Jun-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
13	Jul-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
14	Aug-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
15	Sep-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
16	Oct-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
17	Nov-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
18	Dec-19	Overcollection	1,229,884.89		(7,103.29)	7,574.14	9,265.74	9,736.59
19	Jan-20	Overcollection	1,205,377.60	Declining Principal (returned via rates)	(6,961.74)	7,423.21	9,081.11	9,542.57
20	Feb-20	Overcollection	1,132,193.79		(6,539.07)	6,972.52	8,529.75	8,963.20
21	Mar-20	Overcollection	1,011,619.88		(5,842.68)	6,229.97	7,621.37	8,008.66
22	Apr-20	Overcollection	913,247.25		(5,274.52)	5,624.15	6,880.25	7,229.87
23	May-20	Overcollection	830,336.40		(4,795.67)	5,113.55	6,255.61	6,573.50
24	Jun-20	Overcollection	707,084.63		(4,083.82)	4,354.52	5,327.05	5,597.75
25	Jul-20	Overcollection	596,672.57		(3,446.13)	3,674.56	4,495.23	4,723.66
26	Aug-20	Overcollection	495,968.19		(2,864.50)	3,054.38	3,736.54	3,926.41
27	Sep-20	Overcollection	358,878.31		(2,072.73)	2,210.12	2,703.73	2,841.12
28	Oct-20	Overcollection	247,630.45		(1,430.21)	1,525.01	1,865.60	1,960.41
29	Nov-20	Overcollection	177,934.77		(1,027.67)	1,095.80	1,340.53	1,408.65
30	Dec-20	Overcollection	69,752.77		(402.86)	429.57	525.51	552.21
31 Totals	(Σ Lines 1 thru 21)				(172,600.79)	184,041.81	225,145.59	236,586.61

F. Values / Adjustments for 2018 SC DSM/EE Filing - Increase / (Decrease) in Revenue Requirement

			Res	Gen Svc	Total
Recognition on Interest on 2017 Test Period Over & (Under) Collections					
1	EE Component	Sections D & E, Line 22	(518,783.12)	172,600.79	(346,182.33)
2	DSM Component	Sections D & E, Line 22	158,950.60	(184,041.81)	(25,091.21)
3	DSDR Component	Sections D & E, Line 22	(128,697.86)	(225,145.59)	(353,843.45)
4	Total		(488,530.38)	(236,586.61)	(725,117.00)

Exhibit 4

**DUKE ENERGY PROGRESS,LLC**  
**Docket No. 2018-xx-E**  
**2018 Actual Revenues**

Rate Period	DSM	DSDR	EE	Total
Residential	5,250,855	3,902,721	18,455,706	27,609,282
General Service	721,548	1,424,904	8,958,584	11,105,037
Lighting	-	-	-	-
Total	5,972,403	5,327,625	27,414,291	38,714,319

Duke Energy Progress, LLC  
Allocation Factor For Year 2016  
Docket Number 2019-xx-E  
Allocation Factors from 2016 Filed Cost of Service Study

			MWh		
Line	New Mechanism Sales Allocator at Generator				
1	NC Retail MWh Sales Allocation	Company Records	38,844,803		
2	SC Retail MWh Sales Allocation	Company Records	6,620,461		
3	Total Retail	Line 1 + Line 2	45,465,264		
Allocation 1 to state based on kWh sales					
4	SC Retail	Line 2 / Line 3	14.5615796%		
Demand Allocators (kW)			NC	SC	Total
5	Residential	Company Records	3,530,456	484,305	4,014,761
6	Non Residential	Company Records	4,003,521	724,998	4,728,519
7	Total	Line 5 + Line 6	7,533,977	1,209,303	8,743,280
Allocation 2 to state based on peak demand					
8	SC Retail	Line 7, SC / Line 7 Total	13.8312281%		
Allocation 3 SC res vs non-res Peak Demand to retail system peak					
9	SC Residential	Line 5 SC/ Line 7 Total	5.5391684%		
10	SC Non-residential	Line 6 SC/ Line 7 Total	8.2920597%		

Duke Energy Progress, LLC  
Allocation Factor For Year 2017  
Docket Number 2019-xx-E  
Allocation Factors from 2017 Filed Cost of Service Study

			MWh		
Line	New Mechanism Sales Allocator at Generator				
1	NC Retail MWh Sales Allocation	Company Records	38,923,501		
2	SC Retail MWh Sales Allocation	Company Records	6,596,650		
3	Total Retail	Line 1 + Line 2	45,520,151		
Allocation 1 to state based on kWh sales					
4	SC Retail	Line 2 / Line 3	14.4917132%		
Demand Allocators (kW)			NC	SC	Total
5	Residential	Company Records	3,743,750	509,212	4,252,962
6	Non Residential	Company Records	4,012,019	736,825	4,748,844
7	Total	Line 5 + Line 6	7,755,769	1,246,037	9,001,806
Allocation 2 to state based on peak demand					
8	SC Retail	Line 7, SC / Line 7 Total	13.8420755%		
Allocation 3 SC res vs non-res Peak Demand to retail system peak					
9	SC Residential	Line 5 SC/ Line 7 Total	5.6567750%		
10	SC Non-residential	Line 6 SC/ Line 7 Total	8.1853005%		



Duke Energy Progress, LLC  
Allocation Factor For Year 2018  
Docket Number 2019-xx-E  
Allocation Factors from 2018 Filed Cost of Service Study

			MWh		
Line	New Mechanism Sales Allocator at Generator				
1	NC Retail MWh Sales Allocation	Company Records	38,153,842		
2	SC Retail MWh Sales Allocation	Company Records	6,438,789		
3	Total Retail	Line 1 + Line 2	44,592,632		
Allocation 1 to state based on kWh sales					
4	SC Retail	Line 2 / Line 3	14.4391322%		
Demand Allocators (kW)			NC	SC	Total
5	Residential	Company Records	3,699,632	487,425	4,187,058
6	Non Residential	Company Records	3,915,717	698,002	4,613,719
7	Total	Line 5 + Line 6	7,615,350	1,185,427	8,800,777
Allocation 2 to state based on peak demand					
8	SC Retail	Line 7, SC / Line 7 Total	13.4695760%		
Allocation 3 SC res vs non-res Peak Demand to retail system peak					
9	SC Residential	Line 5 SC/ Line 7 Total	5.5384366%		
10	SC Non-residential	Line 6 SC/ Line 7 Total	7.9311394%		

NOTE: These allocation factors are used for vintages 2018-2019 based on the most recently filed Cost of Service Study (May 2018)

Duke Energy Progress, LLC  
Allocation Factor For Year 2019  
Estimated Allocation Factor For Year 2020  
Docket Number 2019-xx-E  
Allocation Factors from 2019 Cost of Service Workpapers

			MWh		
Line	New Mechanism Sales Allocator at Generator				
1	NC Retail MWh Sales Allocation	Company Records	40,300,849		
2	SC Retail MWh Sales Allocation	Company Records	6,761,081		
3	Total Retail	Line 1 + Line 2	47,061,930		
Allocation 1 to state based on kWh sales					
4	SC Retail	Line 2 / Line 3	14.3663486%		
Demand Allocators (kW)			NC	SC	Total
5	Residential	Company Records	3,850,873	500,552	4,351,425
6	Non Residential	Company Records	3,913,139	691,398	4,604,537
7	Total	Line 5 + Line 6	7,764,011	1,191,950	8,955,962
Allocation 2 to state based on peak demand					
8	SC Retail	Line 7, SC / Line 7 Total	13.3090153%		
Allocation 3 SC res vs non-res Peak Demand to retail system peak					
9	SC Residential	Line 5 SC/ Line 7 Total	5.5890380%		
10	SC Non-residential	Line 6 SC/ Line 7 Total	7.7199773%		

NOTE: These allocation factors are used for vintages 2018-2019 based on the most recently filed Cost of Service Study (May 2018)

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. 2019-XX-E**  
**Energy Allocation Factors - Applicable to EE Program Costs**

**South Carolina Rate Class Energy Allocation Factors**

Rate Class	Total SC Rate Class Sales (MWh) <sup>(1)</sup>	Opt-Out Sales <sup>(2)</sup>	Adjusted SC Rate Class MWh Sales	Rate Class Energy Allocation Factor
	(1)	(2)	(3) = (1) - (2)	(4) = (3) / SC Total in Column 3
Residential	2,314,834	-	2,314,834	59.51%
General Service	4,293,754	(2,813,826)	1,479,928	38.05%
<u>Lighting</u>	<u>99,013</u>	<u>(4,157)</u>	<u>94,856</u>	<u>2.44%</u>
SC Retail	6,707,600	2,729,256	3,889,618	100.00%

NOTES:

(1) Total SC Rate Class Sales (MWh) are for the forecasted year ended December 2020.

(2) Opt-Out sales are provided in Exhibit 6

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. 2019-XX-E**  
**Demand Allocation Factors - Applicable to DSM Programs**

**South Carolina Rate Class Demand Allocation Factors**

Rate Class	Total SC Rate Class Sales <sup>(1)</sup>	Sales Subject to Opt-Out <sup>(2)</sup>	Rate Class Demand <sup>(3)</sup>	Revised Rate Class Demand	Rate Class Allocation Factor (5) = (4)/Total of Column 4
	(1)	(2)	(3)	(4) = ((1 - 2) / 1) * 3	
Residential	2,314,834	-	500,552	500,552	67.86%
General Service	4,293,754	2,821,756	691,398	237,027	32.14%
Lighting	99,013	4,151	-	-	0.00%
SC Retail	6,707,600	2,825,907	1,191,950	737,579	100.00%

NOTES:

(1) Total SC Rate Class Sales (MWh) are for the forecasted year ended December 2020.

(2) Opt-Out sales are provided in Exhibit 6

(3) The CP demands are based on the 2018 Coincident Peak occurring on June 19, 2018 during the hour ended at 1700 ED

Exhibit 6

**Duke Energy Progress, LLC  
DSM/EE Cost Recovery Rider 11  
Docket Number 2019-xx-E  
Forecasted 2020 kWh Sales  
Estimated 2020 Opt out kWh based on 2018 actuals**

Spring 2019 Sales Forecast - kWhs		Total 2020	
South Carolina Retail:			
Line			
1	Residential	2,314,833,670	
2	General Service - EE	4,293,753,625	
3	Lighting	99,013,180	
4	Total Retail	<u>6,707,600,475</u>	
<u>Non-Residential</u>		<u>Gross kWh</u>	<u>Opt Outs</u>
			<u>Net kWh</u>
5	Energy Efficiency	4,293,753,625	(2,813,825,513)
6	DSM	4,293,753,625	(2,821,755,856)
7	Lighting - EE	99,013,180	(4,156,750)
8	Lighting - DSM	99,013,180	(4,151,326)